SSC PAC’s ROLE in Fight the Naval Force Forward Information Warfare (IW) Advanced Naval Technology Exercise (ANTX)

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Presented by:
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IW ANTX Exercise Director
SPAWAR Systems Center Pacific
"Deliver performance at the speed of relevance. Success no longer goes to the country that develops a new technology first, but rather to the one that better integrates it and adapts its way of fighting."


NDS Implementation requires integrated and focused teams of Operators, Technologists, and Acquisition Professionals

- Tactics and Technology Exploration and Experimentation (TNTE2 pronounced “TNT-2”) method integrates Operators and Technologists
- New Accelerated Acquisition authorities from NDAA 16/17

**TNTE2 and new Acquisition Authorities enable delivery of performance at the speed of relevance**
Fight the Naval Force Forward Task Force
Emerging Warfighting Concepts

Distributed Maritime Operations (DMO)

Littoral Operations in a Contested Environment (LOCE)

Expeditionary Advanced Base Operations (EABO)

Fight Forward TF est. by: DC CD&I, OPNAV N9, and DASN(RDT&E)
Endorsed by CPF, MARFORPAC, USFFC, TBD 2018
# Fight the Naval Force Forward – Campaign of Campaigns

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**Warfighting Need**

- **Naval R&D**
- **Industry R&D**
- **Commercial Tech**

**Fleet/Force Endorsed Task Force**

**DRAFT**

*in staffing – Fight Forward Task Force endorsed by COMPACFLT, MARFORPAC, DC CD&I, and DASN(RDT&E)*

- **TF Established**
- **RFP – Call to Industry**
- **Fleet/Force Engagement**
- **Information Warfare**
- **ANTX**
- **Cooperative ID**
- **Targeting & Strike**
- **AntX**

**Rapid Prototypes**

**Rapid Fieldings**

**Accel Acquisitions**

**IW Advanced Naval Technology Exercise (ANTX)**

**Cooperative ID Targeting & Strike ANTX**

**Maneuver & Logistics ANTX**

Distribution A: Approved for Public Release
Integrating Tactics and Technology Development
TNTE2 Continuum

Exploration

Rapid Prototyping

Fleet Experimentation

Rapid Fielding

Capability based tactics/technology demos in field representative environments
Highly-valued and mature tactics/tech are ruggedized and integrated based user inputs
Tactics/tech are integrated for Fleet experimentation and limited user evaluations
Tactics/tech fielded for extended user evals

Distribution A: Approved for Public Release
Tactics and Technology Exploration and Experimentation (TnTE2) Method

Three-Star Initiated Task Force

Capability Development
- CONOPS
- Scenarios
- Tactics

Tech Assessments
- "Tech Bank"
  - 100s of Emerging Tech
  - 100s of Engineering Innovations
  - 1000s of Assessments

Operational Assessment
- Tech Effectiveness
- Tech Maturity
- Modularity
- Reliability
- Cost Burden
- Adaptability/Scalability
- Op Benefit by CapCon
- C2 System Burden
- Host/Platform Burden
- Personnel Burden
- Environmental Constraints

Innovation Events
- Novel Operational and Technical Ideas
- Unexpected Findings
- Alternate Approaches
- Integrated Solutions

Validated Capability Concepts
Informed by the bleeding tech edge
Relative value of each Increment

Innovative Technology Concepts

Opportunity to Increase Efficiency

Distribution A: Approved for Public Release.
SSC Pacific is soliciting mature, fieldable prototypes from industry, academia, and government R&D organizations to participate in the IW ANTX.

Technologies/engineering innovations of high interest:

**Mature technologies** that can be **fielded rapidly**

**Cost-effectively augment** current/planned USN/USMC capabilities

Leverage recent advancements in **unmanned, manned, autonomous, and optionally manned** systems

Employ adaptive/innovative uses of **technologies proven** for other operational users (e.g. special forces, Navy, Joint, National, or other)

Leverage **adaptive and modular** designs to address one or more capability concepts

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QUESTIONS?